

**DRAWING REFERENCE NUMBERS
For 12 or 36-volt Fan Module**

12 Fan base

14 Fan housing

16 Blade cover

18 Fan blades

20 Motor shaft

22 12 or 36-volt fan motor reversible variable speed continuous running shaft both ends.

24 Motor / generator drive assembly

24A Motor/ alternator drive assembly

26 13.5 or 37.5-volt generator*

26A 13.5 or 37.5-volt alternator

28 4 or 12-volt battery

30 Positive lead with voltage regulator

31 Negative lead

32 Optional external power connection

33 Terminal strip

34 Motor control sensor switch

36 Circuit breaker

37 Fan on/off switch

38 Alternator support

60 Cover plate holes

BU Bushing bearings

* AN INTERNAL sensor switch is installed at the positive out-put terminal within the generator. As the generator attains the desired charging volts, the switch closes sending a pulsing charge to the battery. As the generator slows down, and the volts drops, the switch opens. This allows the generator to achieve the desired charging volts again. This process is repeated; there-by charging the battery by bumping the charging volts from (B3 to B1) battery terminals.

**DRAWING REFERENCE NUMBERS AND
NOMENCLATURE****For 24-volt Proto-type fan module****40A 24-volt tachometer****40 24-volt tachometer****41A 24-volt tac-relay****41 24-volt tac-relay****42 24-volt volt-meter****44 Instrument fuse (5-amps)****45 Motor fuse (40-amps)****46 Base plate****47 Base plate****48 12-volt re-chargeable battery (B1, B2)****50A 24-volt motor (1HP)****50 24-volt motor (1HP)****52 Torque box assembly****54 24-volt alternator****56 Pulley belts for alternator with 7-1 ratio****57A Fan pulley belt with 1-1 ratio****57 Fan pulley belt with 7-1 ratio**

- 58 Alternator drive pulley**
- 59 Fan drive pulley**
- 62A Fan assembly (37.5' OD)**
- 62 Fan assembly (37.5' OD)**
- 64 Double throw switch**
- 67 Alternator and fan driven pulley**
- 70A Fan-blades**
- 70 Fan-blades**
- 72 Alternator supports**
- 74 Motor coupler**
- 76A Bearing shaft assembly**
- 76 Bearing shaft assembly**
- 78A Chain and sprocket assembly 11.2-1 ratio**
- 78 Chain and sprocket assembly 7-1 ratio**
- 80 Bridge supports for pillow blocks**
- 82 Pillow blocks**
- A= Alternator**
- B= Battery**
- CS= Chain and sprocket**
- G= Gear**
- P= Pulley**
- M= Motor**
- T= Tachometer**

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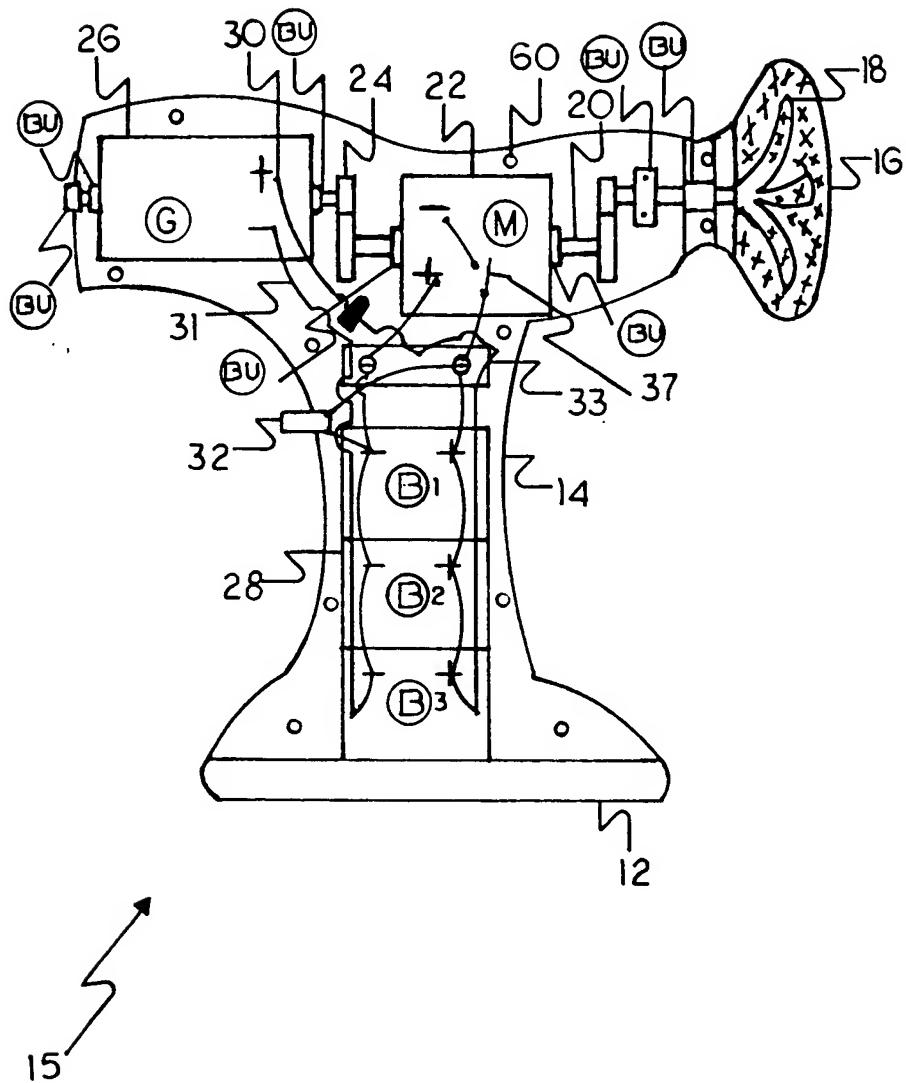


FIG. 1

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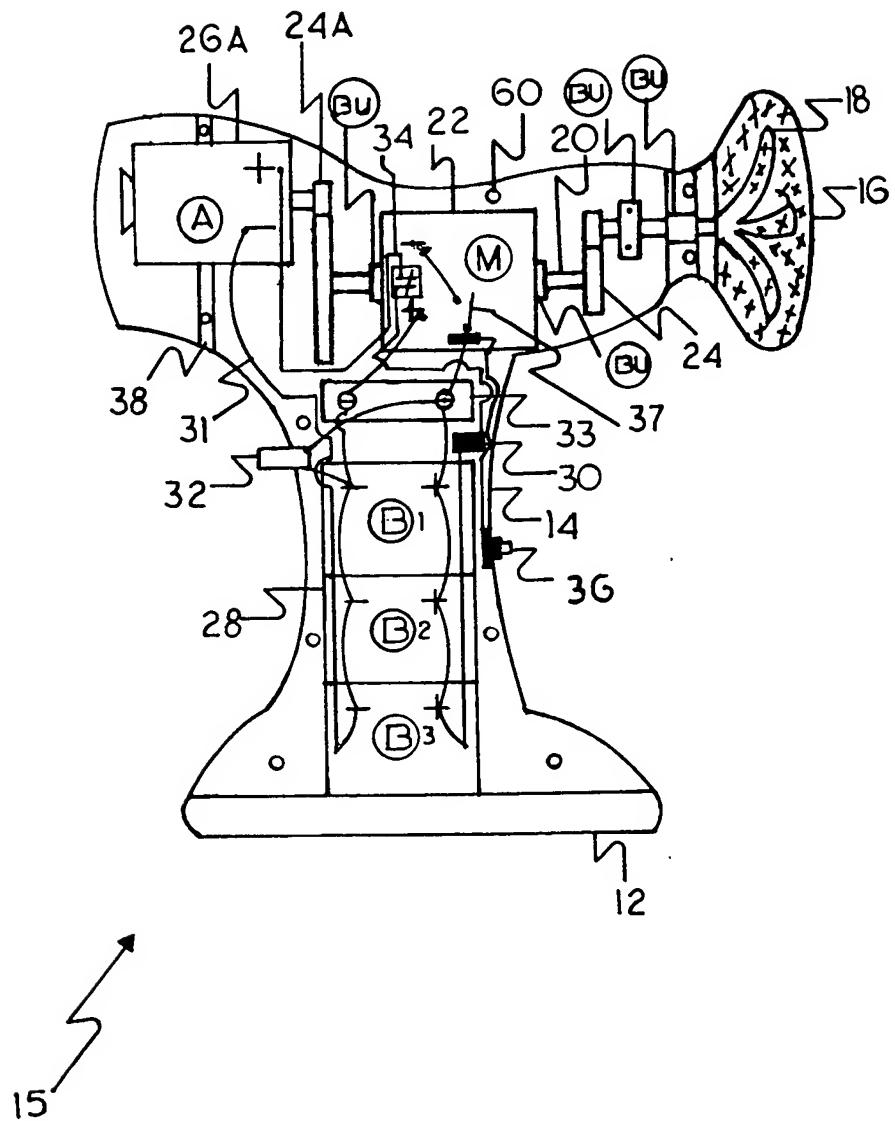
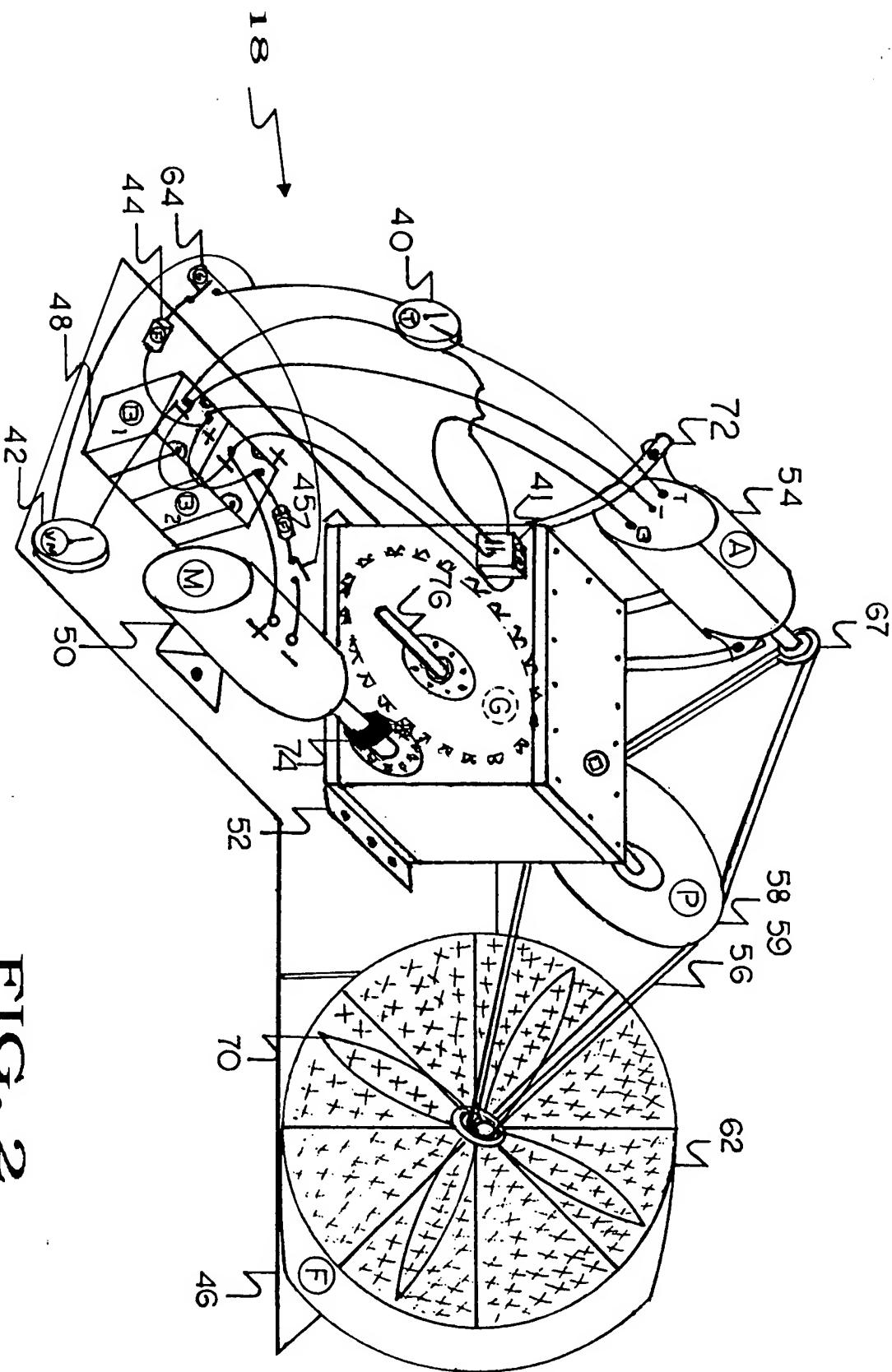


FIG. 1A

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FIG. 2



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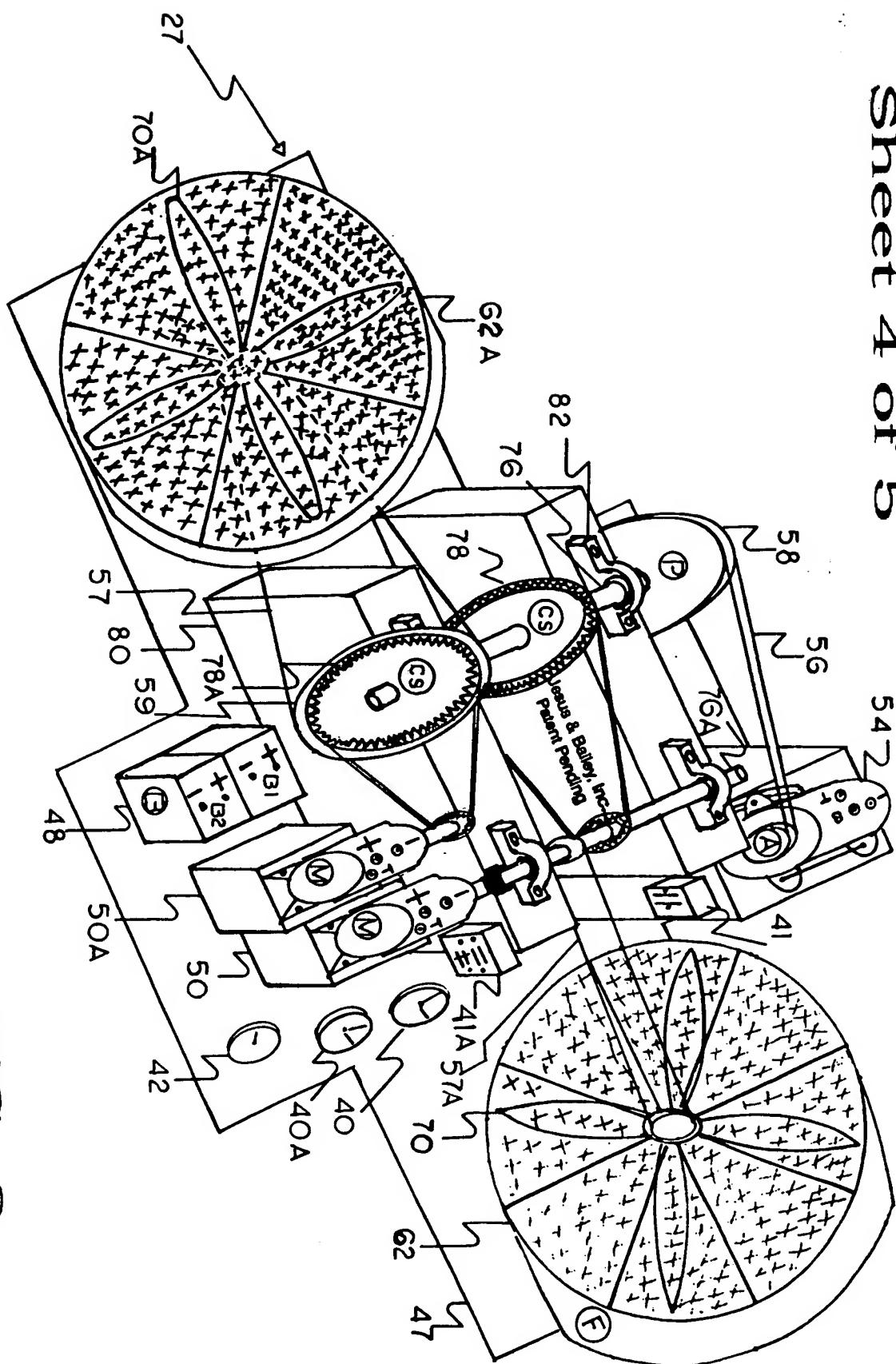


FIG. 3

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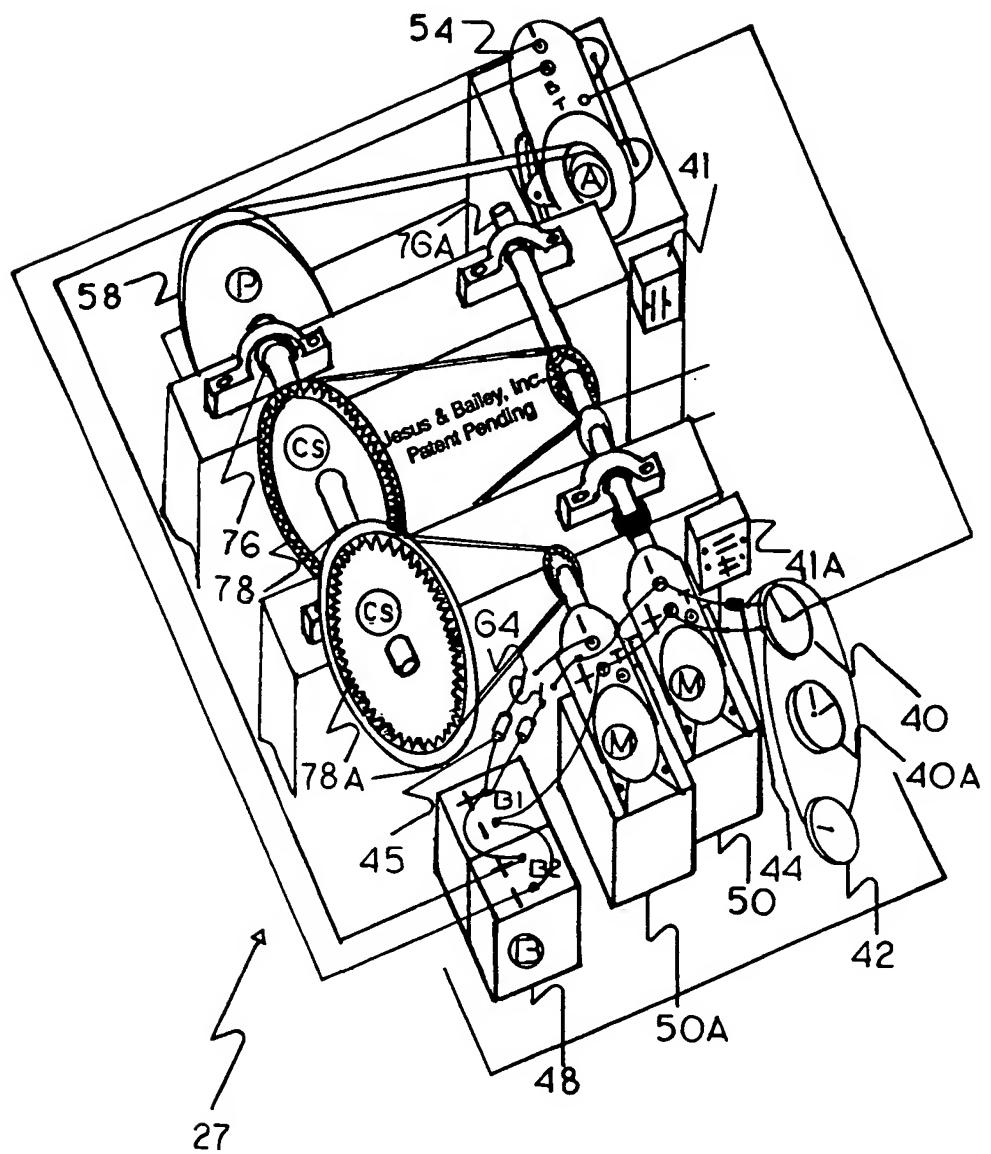


FIG. 3A